



# PRINCIPAL AIR LTD

FLIGHT TRAINING / CHARTER

**2-46244 Airport Road  
Chilliwack, B.C. V2P 1A5  
604-795-7861 or Toll Free 1-866-540-3754  
[www.principalair.ca](http://www.principalair.ca)**

## **Private Pilot Licence Outline**

Welcome to Principal Air and congratulations on taking the first step towards an exciting lifestyle. Few qualifications can match the challenge, opportunity and satisfaction of achieving a pilot's licence!

Learning to become a pilot is an exciting process. Now that you have decided to take the first step into aviation, this package will give you some information on our personalized private pilot licence program.

A private pilot's licence will allow you to fly almost any single engine aircraft under "visual flight rules" and allow you to carry as many passengers as the aircraft is certified to take. You will be able to enjoy everything that aviation has to offer.

This information package is intended to give you an idea of how your training will be carried out. Keep in mind that our programs are flexible and will change to meet the needs of each individual student. If you fly regularly and study the required readings between each lesson, you will advance at a satisfying and rewarding pace.

We have a variety of instructors with professional teaching backgrounds and we provide a comprehensive, organized approach to your training designed to eliminate wasted time and money. Students who train with us will get their licence for the lowest overall cost possible.



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## PRIVATE PILOT LICENSE

### REQUIREMENTS TO RECEIVE LICENSE

Minimum Age: 17 years

Medical Required: Class 3

Examinations to obtain STUDENT PILOT PERMIT and RADIO LICENSE (conducted in our school)

### COURSE DESCRIPTION

Transport Canada requires:

Minimum Flight Time: 45 hours including the following:

Dual Flying (with instructor)	17 hours
Solo Flying	12 hours
Dual Cross Country	3 hours
Solo Cross Country	5 hours
Instrument Flying	5 hours

Ground School - 40 hours including the following subjects: Canadian Aviation Regulations; Aerodynamics and Theory of Flight; Meteorology; Airframes, Engines, and Systems; Flight Instruments; Radio and Electronic Theory; Navigation; Flight Operations; Licensing Requirements; and Human Factors including pilot decision-making.

### EXAMINATIONS AND FLIGHT TEST

**Written Examination:** Transport Canada's written examination, PPAER, may be taken in house. A minimum of 60% in each of four areas – air law, navigation, meteorology, aeronautics/general knowledge – is required as well as in the overall written examination.

**Flight Test:** Flight Tests are conducted at Chilliwack by Transport Canada approved examiners.

### PRIVILEGES OF LICENSE HOLDER

The Private Pilot License allows a holder to fly day VFR, domestic or foreign, in aircraft up to 12,500 pounds with as many passengers as the aircraft is certified to carry. The following ratings may be added to the Private Pilot license: night rating; VFR over the top rating; multi-engine rating; instrument rating; and float endorsement.

## Flight Training and Experience For a Private Pilot's Licence:

Typically each student will undertake approximately 35 to 45 hours of Dual flight instruction and 12 to 15 hours of Solo flight.

### The flight training format is as follows:

Training Modules	Flight Exercises	Approximate Flt Hrs
<b>Introductory</b> Ex. 1 – 9	Attitudes & Movements, Straight & Level, Climbs, Descents, Turns	<b>3 Dual</b>
<b>Flights</b>	<p>During the initial phase of flight training, you will be introduced to the aircraft and the world of flight. Under the supervision of your instructor, you will learn to perform basic manoeuvres and will develop a level of comfort with the machine in a variety of situations. Gaining familiarity with the local area from the air will be an important and enjoyable aspect of this initial phase of your flight training.</p>	
<b>Upper Airwork</b>	Ex. 10 – 15 Range & Endurance, Slow Flight, Stalls, Spins, Spirals, Sideslips	<b>5 Dual</b>
	<p>During the second stage of flight training, under the direct supervision of your instructor you will learn to perform more complex manoeuvres with the aircraft. You will have an opportunity to explore some of the more interesting aspects of flying and develop the skills necessary for safe flight. Many of the skills required for landing will be developed during this phase of flight training.</p>	
<b>The Circuit</b>	Ex. 16 – 19, 29, 30	<b>9 Dual</b>

Take-off, Circuit, Landing, First Solo,  
Soft Fields, Short Fields, Obstacles,  
Crosswind, Radio Communication,  
Emergency Procedures

**4 Solo**

In the circuit, first under the direct supervision of your instructor and later as a student pilot flying solo, you will learn to safely take off and land the aircraft.

You will also explore more advanced techniques used for short, cross-wind and soft-field situations. Radio and emergency procedures will also be part of your training.

By the end of this phase of training you will be able to safely fly the aircraft on your own!

**Lower  
Airwork**

Ex. 20, 21, 22,  
Illusions, Precautionary Landings,  
Forced Landings, Diversions

**4-5 Dual  
3 Solo**

Now that you know how to fly, it's time to expand your training to include more advanced techniques.

During this phase of flight training you will learn and experience the effects of wind, how to safely land the aircraft in the event of an emergency, low level navigation techniques and how to perform landings away from an aerodrome.

**Instrument  
Flying**

Ex. 24  
Full Panel, Limited Panel,  
Unusual Attitudes, Radio Navigation

**5 Dual**

Instrument flight is a required part of the training for any private pilot. You will learn to fly the aircraft safely under instruments in the event that visual reference is temporarily lost and how to recover from any unusual attitudes that can result from turbulence or momentary loss of control. This is a particularly valuable aspect of the training and great fun, as well.

**Cross  
Country  
Flights**

Ex. 23  
Navigation,  
Departure & Enroute Procedures,

**5 Dual**

**5 Solo**

Cross country flights are one of the highlights of flight training. You will learn proper navigation techniques while you explore, first with your instructor and then on your own, several local airports and, as a culmination to your training, set off on a 150 nautical mile adventure. For many people, this part of the training is the pay-off for all their hard work.

**Flight Test  
Prep**

Review

**2-3 Dual**

**2-3 Solo**

Finally, you will prepare for your flight test. The time required depends entirely on each particular student. You may need very little review or you may require a bit more practice to bring you to flight test standards. At Principal Air we train our students to perform to a high standard, so that on your flight test you will be able to earn your license on the first try.



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## \*PRICE LIST – Private Pilot License

Based on 55 hours flight time (45 is required minimum):

40 hours dual	\$94/plane/hour <u>45/instructor/hour</u>	
Total/hour	\$139	5560.00
15 hours solo	\$94/plane/hour	1410.00
Ground School – 40 hours		400.00
Supplies: (Flight Training Manual, Flight Training Manual Workbook, From the Ground Up Text, Kneeboard, Pilot Training Record, 2 charts, E6B Flight Computer, Ruler, Protractor, Student Binder etc. – approximate cost)		300.00
Ground Briefing (approx. 10 hours)	\$45/instructor/hour	450.00
Aviation Medical (approximate)		120.00
Medical Processing Fee (Transport Canada)		55.00
License fee (Transport Canada)		55.00
A.P. Fees \$30/Radio License \$55/Pilot License		85.00
Flight Test (Transport Canada DFTE)		250.00
Written Test (PPAER done in house)		<u>125.00</u>
TOTAL: (approximate)		\$8800.00

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\*It is very important to remember that all these prices are approximate. The length of training needed depends on a number of factors and costs will vary accordingly.

Prices plus GST where applicable